

CLAIMS

What is claimed is:

1. A fuel cell system comprising:

5 a fuel cell which generates electric energy;
a water tank which stores water from the fuel cell;
an inlet port arranged to introduce moisture-containing
exhaust gas from the fuel cell into the water tank;

10 an exhaust port arranged to exhaust gas from the water
tank; and

a partition member which is provided in the water tank,
at a position lower than the inlet port and arranged to
partition an interior of the water tank into an upper space
and a lower space.

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2. The fuel cell system according to Claim 1, wherein the
partition member has a plurality of through-holes.

3. The fuel cell system according to Claim 1, wherein the
20 partition member is spaced by a gap from an inner wall of the
water tank.

4. The fuel cell system according to Claim 3, further
comprising a projection provided in the water tank which is
25 arranged to be spaced by a predetermined gap from the
partition member and to block the gap between the inner wall
of the water tank and the partition member in a vertical

view.

5. The fuel cell system according to Claim 1, wherein the inlet port and the exhaust port do not face each other in the
5 water tank.

6. The fuel cell system according to Claim 1, further comprising a level sensor arranged to detect a level of water in the water tank and disposed at a position lower than the
10 partition member in the water tank.

7. The fuel cell system according to Claim 1, wherein the partition member has an upper surface that is slanted with respect to a surface of the water in the water tank.
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8. A fuel cell system comprising:

a fuel cell which generates electric energy by an electro-chemical reaction;

a water tank which stores water from the fuel cell; and

20 an intake pipe which has a trumpet-shaped inlet port arranged to introduce moisture-containing exhaust gas from the fuel cell into the water tank and is connected with the water tank.

25 9. The fuel cell system according to Claim 1 or 8, wherein the fuel cell system is a direct methanol fuel cell system.

10. A transportation apparatus including the fuel cell system according to Claim 1 or 8.